## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/006450

	ATION OF SUBJECT MATTER A61J3/00			
Inc.or	A0103700	•	•	
According to Int	emational Patent Classification (IPC) or to both nation	al classification and IPC		
B. FIELDS SE				
Minimum docum Int.Cl	tentation searched (classification system followed by c A61J3/00, B65B1/30, B65G65/4	lassification symbols) O		
			•	
		·		
Documentation s	earched other than minimum documentation to the extension Koho 1926–1996 To			
Kokai Ji	tsuyo Shinan Koho 1971-2004 J	proku Jitsuyo Shinan Koho tsuyo Shinan Toroku Koho	1994-2004 1996-2004	
	ase consulted during the international search (name of $1017/00F$	data base and, where practicable, search te	rms used)	
2021, 1	1010 / / 002		•	
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
X Y	JP 2001-129060 A (Sanyo Elec 15 May, 2001 (15.05.01),	tric Co., Ltd.),	1,2,4,9,10 3,5-8,11-25	
•	Full text; particularly, Par.	No. [0081];	3,3-0,11-23	
	all drawings; particularly, F & WO 01/34090 A1 & EP	Figs. 31, 34 1053738 A2		
-				
Y A	<pre>JP 2002-240806 A (Maki Seisa Kaisha),</pre>	kusho Kabushiki	3,5-8 1,2,4,9,	
	28 August, 2002 (28.08.02),		10-25	
ļ	Full text; all drawings (Family: none)	• •		
Y A	JP 10-310195 A (Nippon Steel 24 November, 1998 (24.11.98),		11-23 · 1-10,24-25	
**	Full text; all drawings		1.10,24.23	
	(Family: none)			
	·			
· ·		<u></u>		
Further documents are listed in the continuation of Box C. See patent family annex.				
"A" Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "T" later document published after the international filing date or product the principle or theory underlying the invention		ation but cited to understand		
"B" earlier application or patent but published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be consi	laimed invention cannot be	
"L" document w	hich may throw doubts on priority claim(s) or which is blish the publication date of another citation or other	step when the document is taken alone		
special reason (as specified)		considered to involve an inventive	step when the document is	
"P" document published prior to the international filing date but later than being		combined with one or more other such being obvious to a person skilled in the document member of the same patent if	art	
tue priority u	ate claimed	"&" document member of the same patent i	amily	
	completion of the international search	Date of mailing of the international scan		
20 OUTA	, 2004 (30.07.04)	17 August, 2004 (17	.00.04)	
Name and mailing address of the ISA/		Authorized officer		
	e Patent Office			
Facsimile No.		Telephone No.		

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/006450

(Continuation)	). DOCUMENTS CONSIDERED TO BE RELEVANT	/JP2004/006450
		The leaves the state of the sta
Category*	Citation of document, with indication, where appropriate, of the relevant passage	
Y A	JP 59-103814 A (Seiji YUYAMA), 15 June, 1984 (15.06.84), Full text; all drawings; particularly, Fig. 4 (Family: none)	11-23 1-10,24-25
· Y A	JP 53-57675 A (Pentel Co., Ltd.), 25 May, 1978 (25.05.78), Full text; all drawings (Family: none)	19-23 1-18,24,25
Y A	JP 2000-103402 A (Sanyo Electric Co., Ltd.), 11 April, 2000 (11.04.00), Full text; all drawings & WO 00/18644 A1 & US 6471090 B1	24,25 1-23
A .	JP 58-47728 A (Karl Becker GMBH. & CO. K. G. Mashinenfabrik), 19 March, 1983 (19.03.83), & EP 71954 A1 & US 4544082 A	1-23
1		
	•	·
	•	
İ		
İ		
	•	
- 1		
.		}